SGS

Test Report **No. SH7125121/CHEM** Date: Oct. 25, 2007

JIANGSU HANGTIAN XINGYUAN NEW ELECTRONIC MATERIAL CO., LTD.
73 QINGTONG ROAD, QINGYANG TOWN, JIANGYIN CITY, JIANGSU, P.R.CHINA

The following sample(s) was/were submitted and identified by/on behalf of the client as:

Sample Name	: COPPER CLAD LAMINATE
SGS Ref. No.	: 10646950-1
Part No.	: V-76 (CEM-1)
Cover model	: NS-4791 (CEM-1)
Main Substance	: POLYMERIC MATERIAL
Country of Origin	: CHINA
Sample Receiving Date	: Oct.22, 2007
Testing Period	: Oct.22 – 25, 2007
Test Requested	: In accordance with the RoHS Directive 2002/95/EC, and its amendment directives
Test Method	: (1) With reference to IEC 62321 Ed.1: 111/54/CDV for Cadmium content. Analysis was performed by ICP. (2) With reference to IEC 62321 Ed.1: 111/54/CDV for Lead content. Analysis was performed by ICP. (3) With reference to IEC 62321 Ed.1: 111/54/CDV for Mercury content. Analysis was performed by ICP. (4) With reference to IEC 62321 Ed.1: 111/54/CDV for Hexavalent Chromium by Colorimetric Method. (5) With reference to IEC 62321 Ed.1: 111/54/CDV for PBBs / PBDEs content. Analysis was performed by GC/MS.
Test Results	: Please refer to next pages

Signed for and on behalf of
SGS-CSTC Chemical Laboratory

Ella Zhang
Sr. Section Head

Signed for and on behalf of
SGS-CSTC Chemical Laboratory

Sandy Hao
Lab Manager

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Test results by chemical method (Unit: mg/kg)

Test Item(s):	Method (refer to)	1	MDL	RoHS Limit
Cadmium(Cd)	(1)	ND	2	100
Lead (Pb)	(2)	11	2	1000
Mercury (Hg)	(3)	ND	2	1000
Hexavalent Chromium (CrVI)	(4)	ND	2	1000
Sum of PBBs		ND	-	1000
Monobromobiphenyl		ND	5	-
Dibromobiphenyl		ND	5	-
Tribromobiphenyl		ND	5	-
Tetrabromobiphenyl		ND	5	-
Pentabromobiphenyl		ND	5	-
Hexabromobiphenyl		ND	5	-
Heptabromobiphenyl		ND	5	-
Octabromobiphenyl		ND	5	-
Nonabromobiphenyl		ND	5	-
Decabromobiphenyl		ND	5	-
Sum of PBDEs (Note 4)	(5)	ND	-	1000
Monobromodiphenyl ether		ND	5	-
Dibromodiphenyl ether		ND	5	-
Tribromodiphenyl ether		ND	5	-
Tetrabromodiphenyl ether		ND	5	-
Pentabromodiphenyl ether		ND	5	-
Hexabromodiphenyl ether		ND	5	-
Heptabromodiphenyl ether		ND	5	-
Octabromodiphenyl ether		ND	5	-
Nonabromodiphenyl ether		ND	5	-
Decabromodiphenyl ether		ND	5	-
Sum of PBDEs (Mono to Deca)		ND	-	-

Test Par: Description:

1. Beige solid copper clad laminate with purple printing

Note:

(1) mg/kg = ppm
(2) ND = Not Detected
(3) MDL = Method Detection Limit
(4) Sum of Mono to NonaBDE & according to 2005/717/EC DecaBDE is exempt
(5) "-" = Not Regulated
(6) The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2002/95/EC

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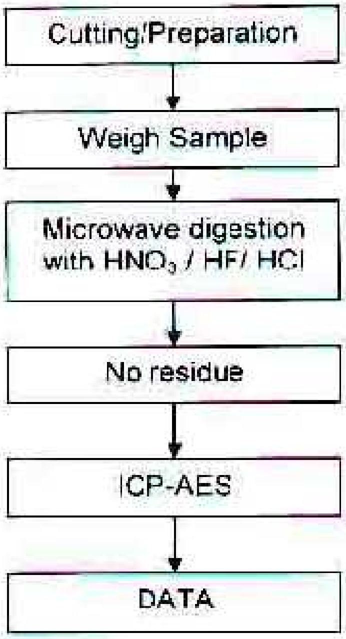
ATTACHMENTS

Cd and Pb Measurement Flowchart for sample



The samples were dissolved totally by pre-conditioning method according to above flow chart.

Tested by Chaven Lian
Checked by Terry Wang

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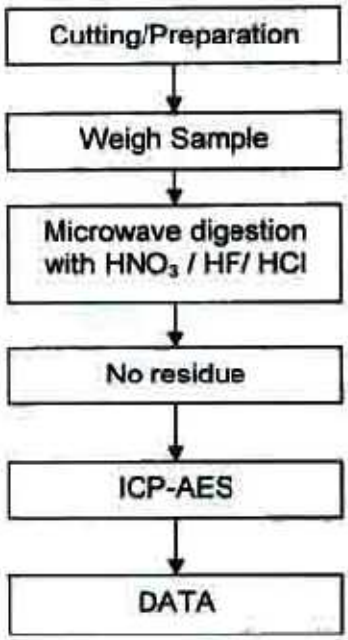
Hg Measurement Flowchart for sample



Tested by : Chaven Lian
Checked by : Terry Wang

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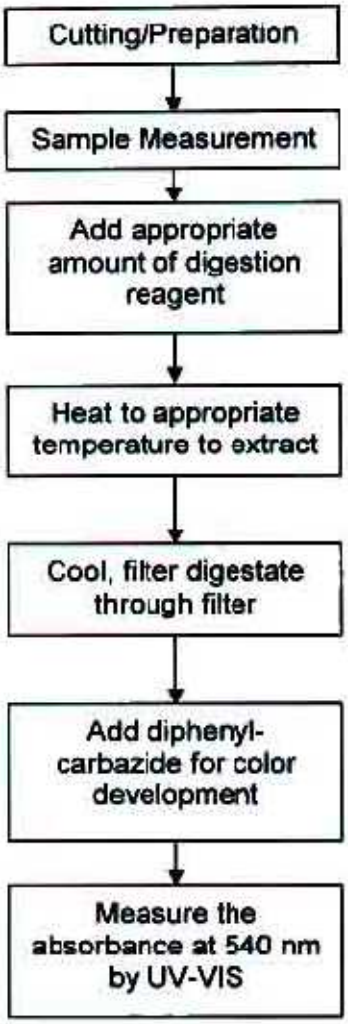
CrVI Measurement Flowchart for sample



Tested by : George Xu
Checked by : Terry Wang

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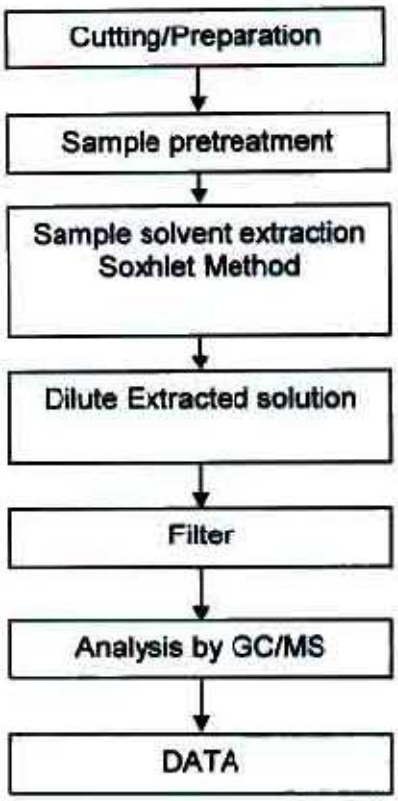
PBBs/PBDEs Measurement Flowchart for sample



Tested by : Diane Wang
Checked by : Tracy Yue

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Sample photo:

SGS authenticate the photo on original report only

*** End of Report ***

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